

Contents

NUMBER 1 JANUARY 1990

- 1 Evaluation of a dynamometer measuring torque of uni- and bilateral concentric and eccentric muscle action
P. A. Tesch, B. P. O. Lindborg and E. B. Colliander
- 11 Discrepancy between estimated energy intake and requirement in female dancers
M. Dahlström, E. Jansson, E. Nordevang and L. Kaijser
- 27 Plasma noradrenaline and dopamine in renin-mediated hypertension
H. Herlitz, P. Hjerdahl, K. Delin, G. Granerus and M. Aurell
- 37 Effects of prolonged adrenaline infusion and of mental stress on plasma minerals and parathyroid hormone
H. Joborn, P. Hjerdahl, P.-T. Larsson, H. Lithell, G. Olsson, L. Wide, R. Bergström and S. Ljunghall
- 55 Haemodynamic and ADH responses to central blood volume shifts in cardiac-denervated humans
V. A. Convertino, C. A. Thompson, B. A. Benjamin, L. C. Keil, W. M. Savin, E. P. Gordon, W. L. Haskell, J. S. Schroeder and H. Sandler
- 69 Plasma lipid and lipoprotein profiles in pre- and post-menopausal middle-aged runners
M. Higuchi, K. Iwaoka, K. Ishii, S. Matsuo, S. Kobayashi, T. Tamai, H. Takai and T. Nakai
- 77 The venous pump of the human foot
J. Styf
- 85 Pulmonary clearance of inhaled $^{99}\text{Tc}^{\text{m}}$ -DTPA: significance of site of aerosol deposition
S. Groth, F. Hermansen and N. Rossing
- 99 Meal-induced thermogenesis in previously obese patients
A. Thörne, I. Näslund and J. Wahren
- 111 Instructions to authors

NUMBER 2 MARCH 1990

Review article

- 113 Endothelium-derived constricting factor(s): the last novelty—endothelin
K. Karwatowska-Prokopcuk and Å. Wennmalm

Original communications

- 123 Sympathetic activation during the cold pressor test: influence of stimulus area
D. R. Seals
- 131 The effect of sympathetic blockade and cooling in Raynaud's phenomenon
M. Engelhart
- 137 A non-invasive approach to cardiac autonomic neuropathy in patients with diabetes mellitus
F. Weise and F. Heydenreich

Contents

- 147 Influence of local β -adrenoceptor blockade on exchange of fat and glucose in the human leg after surgery
E. Håkanson, H. Rutberg and L. Jorfeldt
- 155 Regional perfusion in hearts with acute coronary artery occlusion and subsequent β_2 - and α_1 -adrenergic blockade
P. Kvitting, J. Westby, S. Birkeland, J. Lekven and K. Grong
- 171 Dissociation between vascular and metabolic effects of nicotinic acid in Gilbert's syndrome
S. Gentile, R. Marmo, M. Persico, F. Faccenda, C. Orlando and P. Rubba
- 179 Neuropeptide Y is released together with noradrenaline from the human heart during exercise and hypoxia
L. Kaijser, J. Pernow, B. Berglund and J. M. Lundberg
- 189 Pulmonary clearance of inhaled [$^{99}\text{Tc}^m$]DTPA: effects of ventilation pattern
E. Evander, P. Wollmer and B. Jonson
- 201 Lung function in patients with prior poliomyelitis
K. Borg and L. Kaijser
- 213 Instructions to authors

NUMBER 3 MAY 1990

Review article

- 215 Clinical physiology: an accepted branch of physiology
H. Linderholm

Original communications

- 221 Post-exercise platelet activation—aggregation and release in relation to dynamic exercise
O. Naesh, I. Hindberg, J. Trap-Jensen and J. O. Lund
- 231 Pulmonary absorption of instilled and inhaled DTPA in smokers
S. Groth, P. E. G. Kristjansen, J. Mortensen and D. Merrill
- 245 Atrial natriuretic factor and central venous pressure during intermittent and continuous lower-body positive pressure in healthy humans
N. Keller

Abstracts from the 8th Scandinavian Congress of Clinical Physiology

- 259 Coronary circulation in acute hypoxia
L. Kaijser, J. Grubbström and B. Berglund
- 265 Limiting factors for exercise at extreme altitudes
J. B. West
- 273 Prognosis and diagnostic work-up in patients admitted for, but without, myocardial infarction—the value of nuclear medicine examinations
J. Launbjerg, P. Fruergaard, F. B. Jørgensen, J. Kyst Madsen and B. Hesse
- 279 The benefits of computerized ECG
L. Nordgren
- 281 Tracers and methods of nuclear medicine
K. E. Britton
- 287 Poster abstracts
- 305 Letter to the Editor
- 309 Instructions to authors

Contents

NUMBER 4 JULY 1990

Hypothesis

- 311 Is central chemoreceptor sensitive to intracellular rather than extracellular pH?
N. A. Lassen

Original communications

- 321 γ -MSH increases during graded exercise in healthy subjects: comparison with plasma catecholamines, neuropeptides, aldosterone and renin activity
S. Valdemarsson, D. Andersson, A. Bengtsson, M. Bogren, L. Edvinsson and R. Ekman
- 329 Decrease in myoglobin and enzyme contents with haemodilution in non-hypoxaemic polycythaemic patients
I. L. Hildebrand, C. Sylvén, K. Hellström and E. Jansson
- 335 The effect of calcitonin gene-related peptide (CGRP) on human forearm blood flow
J. Jernbeck, M. Edner, C.-J. Dalsgaard and B. Pernow
- 345 Effects of experimental potassium depletion on renal function and urinary prostanoid excretion in normal women during hypotonic polyuria
G. C. Agnoli, R. Borgatti, M. Cacciari, C. Garutti, E. Ikonomu, P. Lenzi and M. Marinelli
- 363 Gas-exchange impairment: its correlation to lung mechanics in acute airway obstruction (studies on a rabbit asthma model)
L. Lagerstrand and G. Hedenstierna
- 381 Mucociliary clearance in healthy men at rest and during exercise
L. Olsén and P. Wollmer
- 389 Short-term variability of systolic blood pressure and heart rate in normotensive subjects
V. Turjanmaa, S. Kalli, M. Sydänmaa and A. Uusitalo
- 405 Instructions to authors

NUMBER 5 SEPTEMBER 1990

Review article

- 407 Endothelium-derived relaxing factor (EDRF) and nitric oxide (NO). I. Physiology, pharmacology and pathophysiological implications
Q. Feng and T. Hedner

Original communications

- 427 Diminished meal-induced thermogenesis in elderly man
A. Thörne and J. Wahren
- 439 Effect of acquisition and analysis routines on gated blood pool measurements
L.-Å. Brodin and D. E. Bone
- 451 Nailfold capillaroscopy in non-insulin dependent diabetes mellitus: blood flow velocity during rest and post-occlusive reactive hyperaemia
C. C. Pazos-Moura, E. G. Moura, E. Bouskela, I. P. Torres Filho and M. M. D. Breitenbach
- 463 Cardiac output determined by ultrasound-Doppler: clinical applications
B. Janerot Sjöberg and B. Wranne
- 475 Combined left and right ventricular volume determination by radionuclide angiocardio-graphy using double bolus and equilibrium technique
K. H. Stokholm, M. Stubgaard, J. Møgelvang and O. Henriksen

Contents

- 489 Reflex actions of knee joint afferents during contraction of the human quadriceps
J. F. Iles, M. Stokes and A. Young

501 Instructions to authors

NUMBER 6 NOVEMBER 1990

Review article

- 503 Endothelium-derived relaxing factor (EDRF) and nitric oxide (NO). II. Physiology, pharmacology and pathophysiological implications
Q. Feng and T. Hedner

Original communications

- 527 Influence of combined intravenous and oral glucose administration on splanchnic glucose uptake in man
E. Ferrannini, L. D. Katz, M. G. Glickman and R. A. Defronzo
- 539 Myoglobin enzyme adaptations in erector spinae muscles in thoracic scoliosis
E. Jansson, C. Sylvén and P. Bylund
- 545 Muscle strength in hyperthyroid patients before and after medical treatment
F. Celsing, S. H. Westing, U. Adamson and B. Ekblom
- 551 Vectorcardiogram more sensitive than 12-lead ECG in the detection of inferior myocardial infarction
L. Edenbrandt, O. Pahlm, K. Lyttkens and U. Albrechtsson
- 561 ST changes in relation to heart rate during bicycle exercise in patients with coronary artery disease
B. Wohlfart, O. Pahlm, L. Sörnmo, U. Albrechtsson and H. Lárusdóttir
- 573 Plasma lipolytic activity and substrate oxidation after intravenous administration of heparin and a low molecular weight heparin fragment
E. Persson, J. Nordenström, P. Nilsson-Ehle, L. Hagenfeldt and J. Wahren
- 585 Endothelin does not affect aggregation of human platelets
A. Edlund and Å. Wennmalm
- 591 Instructions to authors
- 593 Author index
- Volume contents

